

APPARATUS AND METHOD FOR BI-VENTRICULAR PACING AND
SENSING IN AN IMPLANTABLE DEVICE

ABSTRACT

An apparatus and method for pacing and sensing the right side as well as the left side of the heart (bi-ventricular pacing and sensing). The bi-ventricular pacing and sensing is accomplished by introducing an additional dedicated pacing and sensing path for the left ventricle of the heart. Two additional terminals are added to the pacing and sensing path for the left ventricle to enable pacing and sensing in the left ventricle of the heart. In addition, switches are added to the pacing path for the left ventricle of the heart. The switches are controlled by a programmable controller and allow the selection of the desired ventricle(s) in which pacing is to occur.